CALIFORNIA		Survey Visit to F]	of				
MARBLED MURRELET		(Y or N, initials)	Total I	Total Detections:				
		Species of Conce	ern (circle one	, details or	n last pg.):	Y or N		
FOREST SURVEY FORM		Month	_ Day Yea		r			
Area Name:	Site Name / Nu	mber:		Station	Number: _			
Sta. Location - UTM zone: E (x) coordinate:	N (y	coordinate:	Source: _	Dat	um:	FOM:		
Observer (s) Name:	Initials:	_ Affiliation:		_ Phone: (_				
Station Elevation: Ft / M Position	n on Slope (circle	one): Bottom/plain,	, Lower 1/3,	M id 1/3,	Upper 1/3,	Ridgetop		
Station Placement (circle one): Inside, Outside								
Distance from Survey Site Boundary:	Units	of Measure for ALL I	Horizontal Dista	inces:				
Station Canopy Cover (circle one): $1 = 0$ to 25%,	2 = 26 to 50%,	3 = 51 to 75%, 4 =	= 76 to 100%	Canopy F	leight			
ENVIRONMENTAL CONDITIONS:								
Official Sunrise Time: Source	:	Begin Survey Tim	ie:	End Surv	vey Time: _			
Temperature at Sunrise: Temper	ature at End of S	urvey:(circle one) C	or F	revised: 2 /	2000		

TIME	VERTICA	AL VIEWING	HORIZ.	AUDIBILITY	PR	ECIPITA	TION	WIND	NOISE	NOTES
	CLOUD COVER CEILING	VISIBILITY TO 2 CANOPY	VIS. TO 100 M	TO 200 M	RAIN	FOG	OTHER			

Ceiling: UL = Unlimited (clear), HI = >2.0 canopy height, MID = >1.25 to ≤ 2.0 canopy height, LO = ≤ 1.25 canopy height, U = Unknown. Cloud Cover: 0 = 0%, 1 = 33%, 2 = 66%, 3 = 100%.

Vertical Visibility: N = Impaired (detections may be missed due to conditions), Y = Unimpaired (conditions allow for reliable detection), U = Unknown. Horizontal Visibility: N = Impaired (detections may be missed due to conditions), Y = Unimpaired (conditions allow for reliable detection), U = Unknown. Audibility: N = Impaired (detections may be missed due to conditions), Y = Unimpaired (conditions allow for reliable detection).

Precipitation - Rain & Fog: N = None, L = Light, M = Moderate, H = Heavy. Other: H = Hail, S = Snow. (Indicate intensity using same codes for rain & fog). Wind: 0 = <1 mph (calm), 1 = 1-3 mph (leaves barely move), 2 = 4-7 mph (leaves rustle, sm. twigs move), 3 = 8-12 mph (leaves & sm. twigs in constant motion), 4 = 13-18 mph (sm. branches move), 5 = 19-24 mph (lg. branches & sm. trees start to sway), 6 = 25-31 mph (lg. branches in constant motion), 7 = 32-38mph (whole trees move), 8 = 39-46 mph (twigs & sm. branches break).

Noise: N = None, A = Aircraft, B = Bird song/calls, C = Creek/water drainage, M = Machinery, P = Rain/hail, T = Tree drip, V = Vehicle, W = Wind, $\mathbf{O} = \text{Other (explain in Notes)}.$

Occurrence No	Data Point No	Sequence No	Reference No
Quad. Code	Photo Code	General Location	
Data Entry Initials	Data Entry Date	Data QC Initials	Data QC Date
Protocol Review Initials	Review Date ** CDFG DATABAS	SE USE ONLY **	Highest Biological Status

CALIFORNIA MARBLED MURRE	LET FOREST SUF			ge Total:				
Observer (s) Initials:	Month	Day	Year		Site Name /	No:		
Data Reference Number:	Units of Mea	sure (circle one)	: U.S. / N	Aetric	Station Nun	nber:		
SURVEY ACYIVITY:	**Note Signi	ficant Weather (Changes on Pag	ge 1**				revised: 2 / 2000
STATUS OF THE CT INITIAL DETECTION DIRECTION DIRECTION	AUDITORY	# BIRDS SEEN	INITIAL FLIGHT DIRECTION	BIRD HEIGHT SEEN	CLOSEST DIST. TO BIRDS	DEPART FLIGHT DIRECTION	FINAL DETECTION DIRECTION	NOTES

		EY ACYIVITY: "**Note Significant weather Ci																								10 115	sea: 2 / 2000			
STATUS	DETECTION # STATUS -1/0		INIT DETEC	TAL CTION CTION	TYPE			JDITC			SEI	DS	BEHAVIOR		INITIA FLIGH RECT	ΙT	Н	BIRD IEIGHT SEEN	DIS	SEST T. TO RDS	ı	DEPART FLIGHT DIRECTION		FINAL DETECTION DIRECTION		N	NOTES	6		
1						VOCAL SERIES		S	OTHER		9																			
0/1	#							Start	End	#	OL	W/J							Canopy= 1.0		() units									
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TYPE: H = Heard Only (no visual), **S** = Seen Only (silent), **B** = Both Seen and Heard.

AUDITORY - Vocal Series (Vocalizations): **K** = KEER calls, **G** = Groan (alternate) calls, **O** = Whistle or Soft Que calls, **U** = Unknown, --- = None or N/A. Indicate the vocal type heard at both the start and end if calls grade between different types during the detection. Indicate the number heard **1-5** or **M** = Multiple. **OL** = Overlapping Vocalizations (**Y** or **N**). **AUDITORY - Other** (Non-Vocal Sounds): **W** = Wing Sound, **J** = Jet Sound, --- = None or N/A. If both are heard write W / J.

BEHAVIOR: $F = Flight Over Canopy, C = Circle Over Canopy, T = Fly-Through At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), $E = Circle At or Below Canopy (<math>\leq 1.0$), E = C

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<u>BEHAVIOR:</u> $\mathbf{F} = \text{Flight Over Canopy, } \mathbf{C} = \text{Circle Over Canopy, } \mathbf{T} = \text{Fly-Through At or Below Canopy } (\leq 1.0), \mathbf{B} = \text{Circle At or Below Canopy } (\leq 1.0), \mathbf{L} = \text{Seen Landing in or Departing From a Tree, } \mathbf{S} = \text{Stationary Calling (fixed-point multiple calls } < 100 \text{ m), } \mathbf{U} = \text{Unknown.}$